

Notice of Allowability

Application No.

09/807,703

Applicant(s)

ASANO ET AL.

Examiner

Art Unit

Ronald Baum

2136

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 7/17/2006.
2. ☒ The allowed claim(s) is/are 1,3-11,13-16,18-21,23-26,28-31,33-41,43-51,53-61,63-71,73-81 and 83-92.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
- ☒ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>20060915</u> . |
| 3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date <u>20060117</u> | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

NASSER MOAZZAMI
PRIMARY EXAMINER

9/19/06

DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with David Hill, Reg. No. 28,220 on 9/14/2006.

1. Replace claims 3,13,18,23 and 28 with the following (shown *marked up* here, followed by *clean version*):

3. The information recording apparatus according to claim ~~2~~1
wherein said contents information is inputted in the form of
the transport streams prescribed by the MPEG 2 systems, and
wherein said management information shows the access positions for said contents
information by means of
the time stamps for said transport streams and
addresses on the recording medium.

13. The information recording/reproducing apparatus according to claim ~~12~~11
wherein said contents information is inputted in the form of

the transport streams prescribed by the MPEG 2 systems; and
said management information shows the access positions for said contents information by means of
the time stamps of said transport streams and
addresses on the recording medium.

18. The information recording method according to claim ~~17~~16
wherein, said contents information is inputted in the form of
transport streams prescribed by the MPEG 2 systems; and
wherein said management information shows the access positions for said contents information by means of
the time stamps for said Transport stream and
the addresses on the recording medium.

23. The information reproducing method according to claim ~~22~~21
wherein, said contents information is recorded on a recording medium in the form of
transport streams prescribed by the MPEG 2 systems; and
wherein said management information shows the access positions for said contents information by means of
the time stamps of said transport streams and
the addresses on the recording medium.

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28. The information recording/reproducing method according to claim ~~27~~26 wherein, said contents information is inputted in the form of
- transport streams prescribed by the MPEG 2 systems; and
- wherein said management information shows the access positions for said contents information by means of
- the time stamps of said transport stream and
- the addresses on the recording medium.

Clean claim version:

3. The information recording apparatus according to claim 1 wherein said contents information is inputted in the form of
- the transport streams prescribed by the MPEG 2 systems, and
- wherein said management information shows the access positions for said contents information by means of
- the time stamps for said transport streams and
- addresses on the recording medium.
13. The information recording/reproducing apparatus according to claim 11 wherein said contents information is inputted in the form of
- the transport streams prescribed by the MPEG 2 systems; and

said management information shows the access positions for said contents information by means of

the time stamps of said transport streams and
addresses on the recording medium.

18. The information recording method according to claim 16

wherein, said contents information is inputted in the form of

transport streams prescribed by the MPEG 2 systems; and

wherein said management information shows the access positions for said contents information by means of

the time stamps for said Transport stream and
the addresses on the recording medium.

23. The information reproducing method according to claim 21

wherein, said contents information is recorded on a recording medium in the form of

transport streams prescribed by the MPEG 2 systems; and

wherein said management information shows the access positions for said contents information by means of

the time stamps of said transport streams and
the addresses on the recording medium.

28. The information recording/reproducing method according to claim 26

wherein, said contents information is inputted in the form of
transport streams prescribed by the MPEG 2 systems; and
wherein said management information shows the access positions for said contents
information by means of
the time stamps of said transport stream and
the addresses on the recording medium.

Examiner's Statement of Reasons for Allowance

3. Claims 1,3-11,13-16,18-21,23-26,28-31,33-41,43-51,53-61,63-71,73-81 and 83-92 are allowed over prior art.

4. This action is in reply to applicant's correspondence of 17 July 2006.

5. The following is an examiner's statement of reasons for the indication of allowable claimed subject matter.

6. As per claims 1,6,11,16,21,26,31 and 92 generally, prior art of record, Blatter et al, U.S. Patent 5,754,651, fails to teach alone, or in combination, other than via hindsight, at the time of the invention, the features as discussed and remarked upon in the response of 7/17/2006 to office action of 4/14/2006.

Specifically, (as per claim 1, for example) prior art dealing with multimedia content distribution and associated distribution protection technologies (i.e., software, hardware, combined in client/server and stand alone reproduction/rendering, etc.), is generally known to exist per se, with various methods used to protect content via encoding, encryption of content as well as associated reproduction information (i.e., Lenzi, R., 'The Interactive-Music Network WG-DCM

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Systems for multimedia content distribution Technology Survey', Rigel Engineering, 7/02/03, entire document, www.interactivemusicnetwork.org/documenti/view_document.php?file_id=361). Nowhere in the prior art is found collectively the *italicized* claim elements (i.e., the specifics of dealing with encrypted information *about* the content that is associated with *time stamp access locations* previously determined, encrypted, and subsequently used for management of said content upon re-encryption, and re-recording upon an associated recording media), at the time of the invention; serving to patentably distinguish the invention from said prior art;

"1. An information recording apparatus comprising:

inputting means for *inputting*

enciphered contents information;

contents information deciphering means for *deciphering*

the enciphered contents information;

access position extracting means for *extracting*

recording medium access positions from the *deciphered contents information,*

the recording medium access positions indicating

addresses on a recording medium corresponding to

a time stamp in the content information;

management information creating means for creating

management information that includes

the recording medium access positions from

the deciphered contents information; and

recording means for recording

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the *enciphered contents information* on
a first area of a recording medium,
recording information for enciphering the contents information on
a second area of the recording medium, and
recording the management information on
a third area of the recording medium.”

7. Dependent claims 3-5,7-10,13-15,18-20,23-25,28-30,33-41,43-51,53-61,63-71,73-81 and 83-91 are allowable by virtue of their dependencies.

Conclusion

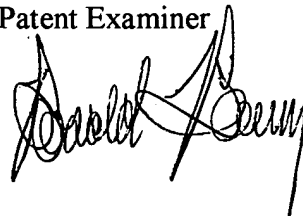
8. Any inquiry concerning this communication or earlier communications from examiner should be directed to Ronald Baum, whose telephone number is (571) 272-3861, and whose unofficial Fax number is (571) 273-3861 and unofficial email is Ronald.baum@uspto.gov. The examiner can normally be reached Monday through Thursday from 8:00 AM to 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh, can be reached at (571) 272-3795. The Fax number for the organization where this application is assigned is 571-273-8300.

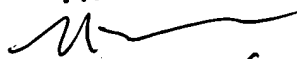
Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. For more information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ronald Baum

Patent Examiner



NASSER MOAZZAMI
PRIMARY EXAMINER


9,19,06